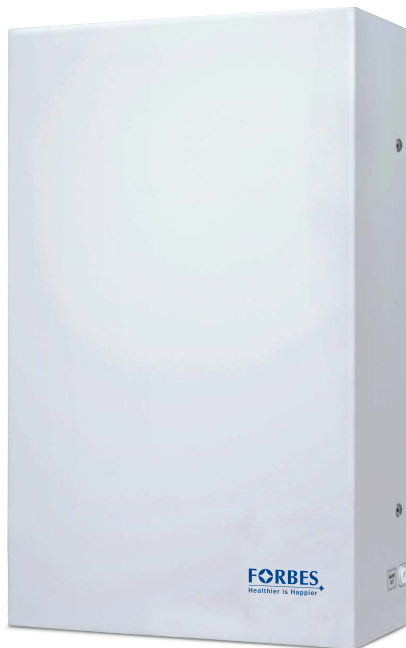


FORBES

Healthier is Happier



FRIDGEMATE
Water Purifier



FOR REFRIGERATOR



FOR VENDING MACHINE

User Guide

Fresh & Safe Water

Dear Customer,

Congratulations! You now own your personal Forbes FridgeMate Water Purifier. We take this opportunity to welcome you into our family. Millions of households, like yours, have said 'Yes' to good, healthy living.

The product comes with the assurance of a reliable and proven world-over technology that only the leader in water purification can offer. Your product has the most advanced 4-stage filtration-cum-purification system. The Ultra filtration Purification process ensures safe and crystal clear purified water to you and your family. This is an advanced purification process that filters even the molecular range of impurities including disease-causing bacteria, virus and protozoan micro-organisms including cysts.

This User Guide contains detailed information and tells you everything you need to know about Forbes FridgeMate Water Purifier. In case you have more queries, do get in touch with your dealer or our service personnel. Please avoid dealing with unauthorised service providers to ensure that your product performs at its best.

Wishing you and your family a healthier and happy life.

Forbes Water Purification Team

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KNOW YOUR PRODUCT

A specially designed and compatible product to suit the requirement of your refrigerator. Your FridgeMate water purifier will deliver safe and crystal clear water to your refrigerator, facilitating you to have purified cold water or ice from your refrigerator/vending machine.

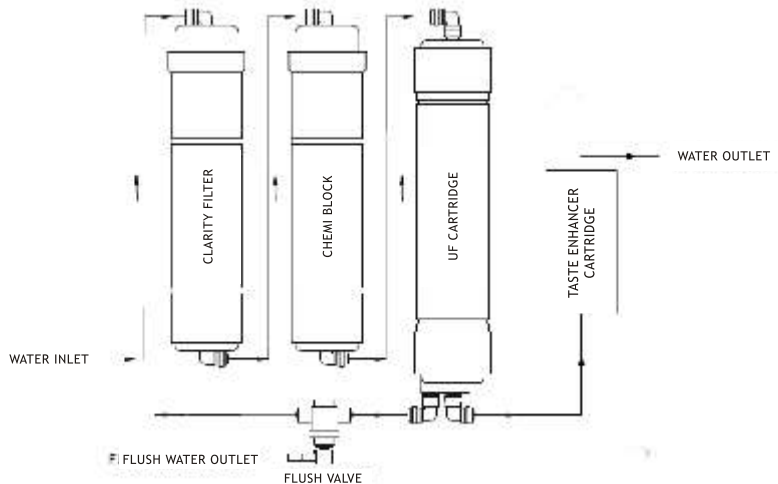
Your FridgeMate water purifier needs to be installed between the water source and refrigerator/vending machine. Hence, it is recommended to keep the purifier as close to the water source as possible and to the refrigerator/vending machine to ensure better flow of purified water. The required installation components are provided along with your product for an easy and trouble-free installation and operation.

SALIENT FEATURES

- Compact and Elegant Design
- 4-Stage Water Filter-cum-Purifier
- Ultrafiltration Purification Technology
- Bacteriostatic Activated Carbon Block
- Safe and Crystal Clear Purified Water
- Online Installation
- Sturdy Metal Body with Anti-Corrosion Treatment
- Wall Mounting Model
- Easy Maintenance

STAGES OF WATER PURIFICATION

The Forbes FridgeMate Water Purifier has a 3-stage filter-cum-purifier. It delivers water as pure and safe as water boiled for 20 minutes plus more.



THE FOUR STAGES ARE -

► Sediment Filter

The water passes through the sediment filter which has a polypropylene yarn-wound type depth filter cartridge. This filter strains all the physical impurities like dust, dirt, mud etc. from the input water.

► Bacteriostatic Activated Carbon Filter

The clear water from the sediment filter passes through the specially treated bacteriostatic carbon which adsorbs colour, odour, organic impurities, chlorine and chlorination byproducts namely, THMS (trihalomethanes). Its bacteriostatic property helps to prevent microbial growth on activated carbon.

► Ultra Filter based Purification

Your product is equipped with the unique ultra filtration process to give you pure, safe and crystal clear water. It is a membrane filtration process in which the water is passed under pressure (input pressure) through a spiral-wound membrane cartridge having 0.01 micron pore size. These minute pores effectively trap sub micronic-particulates and also disease-causing bacteria, virus and protozoan micro-organisms including cysts, giving you crystal clear safe drinking water.

BENEFITS OFFERED BY YOUR FORBES FRIDGEMATE

No .	Stage	Filtration Material	Benefits
1	Sediment Filter	Polypropylene yarn-wound with granular activated carbon sandwiching.	Strains suspended particles such as dirt, sand, sludge, grit and rust from input water.
2	Bacteriostatic Activated Carbon Filter	Bacteriostatic activated carbon.	Reduces colour, odour, organic chemical impurities and free gases like chlorine.
3	Ultra Filter based Purification	Spiral-wound ultrafilter membrane cartridge.	Removes disease-causing bacteria, virus and protozoa including cysts.

TECHNICAL SPECIFICATIONS*

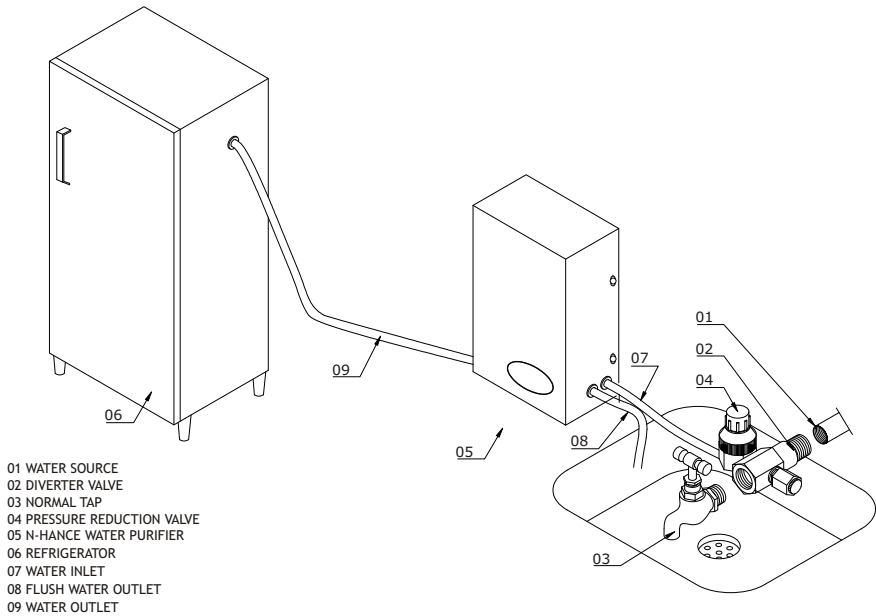
DESCRIPTION	SPECIFICATION
Dimensions in mm (W x D x H)	252 x 115 x 412
Product Net Weight in kg. (excluding installation kit)	5.2
Stages of Purification	4
Flow Rate** (at 0.9 kg / cm ² Input Water Pressure)	600 ml / min.
Input Water TDS Maximum	500 ppm
Input Water Temperature	5° C to 45° C
Input Water pH	6.5 to 8.5
Input Water Chlorine/maximum	0.2 ppm
Input Water Iron Content/maximum	0.3 ppm
Life of Filter Cartridges	
Sediment Filter	3000 litres
Activated Carbon Filter	3000 litres
Ultrafilter	6000 litres
Minimum-Input Water Pressure	0.6 kg / cm ²
Maximum-Input pressure	2.0 Kg / cm ^{2****}

* Specifications are subject to change without any prior notice due to continuous product improvements.

** Water flow rate depends on input water pressure and conditions of the filters.

*** If the input pressure is more than 2.0Kg/cm², recommended to use PRV (pressure reducing valve)along with diverter valve .

INSTALLATION INSTRUCTIONS FOR YOUR FORBES FRIDGEMATE



The Diverter Valve with PRV Assembly, ¼” Installation Tubing and ¼” type QFC connectors are provided along with the product as Standard Installation Kit.

The following are the steps for installation:

- Diverter Valve Installation
- Sediment Filter Flushing
- Precarbon Filter Flushing
- UF Membrane Flushing

▼ Diverter Valve Installation

- Fix the diverter valve with PRV assembly to the faucet and fasten the screws to the faucet properly with a Philips screwdriver. (The PRV is factory adjusted for 1.5 kg / cm².) In case of external threaded type faucet, the tap adapter of the diverter valve should be removed and then directly fix the diverter valve into the faucet.
- Ensure free movement of diverter valve knob for normal water supply.
- Keep the product near a drain facility.
- Remove the screws of the front cover of the product.
- Slide out the front cover from the chassis.

▼ Sediment Filter Flushing

- Disconnect the sediment filter cartridge outlet port tubing.
- Connect ¼” blue tube to the outlet and keep the other end of the ¼” tube at the drain facility.
- Connect the installation tube assembly to the ‘Water In’ port of the product (ensure both sides of the tubing to the connectors are inserted fully).
- Open the diverter valve and flush the sediment filter till the manufacturing debris is fully driven out and outlet water becomes clear.
- Close the diverter valve, disconnect the blue tubing fixed for flushing and connect back the interconnecting tube as earlier.

▼ Precarbon Filter Flushing

- Disconnect the outlet port tube of the precarbon filter.
- Connect a separate ¼” blue tube to the outlet port and keep the other end of the ¼” tube at the drain facility.
- Open the diverter valve and flush the precarbon filter till the manufacturing debris is fully driven out and outlet water becomes clear.
- Close the diverter valve, disconnect the blue tubing fixed for flushing and connect back the interconnecting tubing as earlier.

▼ UF Membrane Flushing

- Connect a separate ¼” white tube to the outlet port connector of ultra filter membrane cartridge and keep the other end of the ¼” tube at the drain facility.
- Connect the flush tube (blue tube) to the flush valve outlet port and open the flush valve which is connected from the flush port of the ultra filter membrane cartridge.
- Open the diverter valve and flush the ultra filter membrane for 15 minutes continuously.
- Close the diverter valve and close the flush valve of the product.

Note: Please don't consume the flush water.

The flushing of ultrafilter is very essential to enhance the life of the membrane. A flush valve is provided at the bottom side of the product for the same. You need to turn the knob towards the ‘flush’ mode and allow the water to pass through for at least 2 to 3 minutes continuously. We recommend you to do it on every alternate day or before starting the product after a long gap of usage.

▼ Taste Enhancer Cartridge Flushing

- Disconnect the cartridge from the outlet and flush the water.
- Connect again to the outlet.

INSTALLATION COMPLETION STEPS

- Ensure that the inlet tube (white tube), outlet tube (white tube) and flush tube (blue tube) are properly connected to the respective ports of the product.
- Ensure that there are no leakages from the joints.
- Clean the product with a damp cloth.
- Close the front cover to the chassis and fasten, as earlier.
- Install the product as close to the refrigerator as you can. Ensure the product is firmly held in position.
- Connect the outlet port tube to the refrigerator inlet port with a suitable connector.
- Open the diverter valve.
- Route the flexible water tube as required.

PRODUCT LIFE ENHANCEMENT TIPS

- Always ensure that your product is clean and neat.
- Use only genuine components.
- Clean the sediment filter once in every 2 months or whenever it is required - based on the input water quality and water consumption.
- Replace the sediment filter and carbon filter, once in 6 months or after withdrawing 3000 litres from the product.
- Flush the ultra filter membrane by opening the flush valve for 2 to 3 minutes on every alternate day.
- Replace UF membrane, once in 12 months or after withdrawing 6000 litres from the product.



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